NIAD 201.3 DIV - AP/NDH (10109394)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	:	Myron JACOBSON et al.
Serial No.	:	09/973,451
Filed	:	October 9, 2001
For	:	GENES ENCODING SEVERAL POLY (ADP-RIBOSE) GLYCOHYDROLASE (PARG) ENZYMES, THE PROTEINS AND FRAGMENTS THEREOF, AND ANTIBODIES IMMUNOREACTIVE THEREWITH
Group	:	UNKNOWN
Examiner	:	UNKNOWN

March 13, 2002

Hon. Commissioner for Patents
  and Trademarks
Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

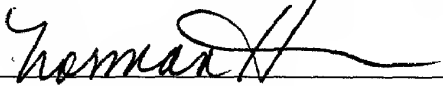Prior to examination, please amend this application as follows:

IN THE SPECIFICATION

Page 11, line 15: change "Ligure 16 depicts" to -- Figures 16A-D depict --.

#25144667v1<

REMARKS

The foregoing amendment is presented to address a change in the drawings.

Respectfully submitted,

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By _____
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FIG. 16A

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Bparg   468  GGEIRLHFQFEGGESRAGMN.DVNAKRPGSTSSLNVECRNSKQEGRKDSKITDEFMRVPKAEDRRKEQCEMKH
Eparg   467  GGEVRLHFQFEGGESRTGMN.DLNAKLPGNISSLNVECRNSKQEGKKDSKITDELMRLPKAEDRRKEQWETKH
Mparg   354  GGEVRLHFQFE.GEMNAGTS.DLNAKPSGNSSSLNVECRSSKQEGKRDSKITDEFMRISKSEDRRKEQCEVRH
Dparg    59  ..TEEE.PENLANSL..DDSWRGVSMEAIHRNRQPFELENLPPVTAGNLHRVMIQLPIRET..PPR.PIKSPG
Ceparg  172  QELIEIPGIMKDTTQLDITDSEVETAQKMEMIEETEADSTFVGEDSKATKTVRTSSSSF..LSTVSTCEAP

Bparg   540  QRTERKIPKYYPPHLSPDKKWLGTPIEEM..RRMPRCGIRLPPLRPSANHTVTIRVDLLRIGEVPK.PFPTHF
Eparg   539  QRTERKIPKYVPPELSPDKKWLGTPIEEM..RRMPRCGIRLPLLRPSANHTVTIRVDLLRAGEVPK.PFPTHY
Mparg   425  QRTERKIPKYIPPMLPPEKKWLGTPIEEM..RKMPRCGIHLPSLRPSASHTVTVRVDLLRAGEVPK.PFPTHY
Dparg   125  X..WDSEEVRLPCAPESKYPRENPDGS.TTIDFRWEMIERALLQPIKTCEELQAAIISIHTTIRDQWEFRALE
Ceparg  242  AKGRARMIQKELEKEVIAFTEGNLT.....LQPDLNKVDPDRNIRI.CTIPNFPASQG..KLRED.NRIG..

Bparg   610  KDLWDNKEVXMPCSEQNLYPVEDENGE.RAAGSRWELIQTALLHRLTRPQNLKDAILKINVAISKKWDFTALI
Eparg   609  KDLWDNKEVXMPCSEQNLYPVEDENGE.RTAGSRWELIQTALLHKFTRPQNLKDAILKINVAISKKWDFTALI
Mparg   495  KDLWDNKEVXMPCSEQNLYPVEDENGE.RTAGSRWELIQTALLHKFTRPQNLKDAILKINVAISKKWDFTALV
Dparg   196  QLLDEELDESETRVFFQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFFCTFPRRNA
Ceparg  367  PKIVLPQRWRE.FDSRGRR...RDSYFYFKRKLDGILKCIKTTGYFMFVGLLH.....HMWE..FDPDITIK

Bparg   682  DFWDXVLEEAEAQHLYQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFFCTFPRRNA
Eparg   681  DFWDXVLEEAEAQHLYQSILPDMVKIALCLPNICTQPIPLLKQKMNHSITMSQEQIASLLANAFFCTFPRRNA
Mparg   567  DFWDXVLEEAEAQHLYQSILPDMVKIALCLPNICTQPIPLLKQKMNHSVTMSQEQIASLLANAFFCTFPRRNA
Dparg   269  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV.TERDASNVPTGVVTFVRRSGLPEE.L.IDWS
Ceparg  424  ....LPAL.EMYYKEMSELVGREEVLEKFARVARIAKTAEDILPERIYRLVGDVE.SATLSHKQCAALVARMF

Bparg   755  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
Eparg   754  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
Mparg   387  .KMKSEISSYPDIHFNRLFEGRSSRKPEKLKTLFCIFRRV..TEKK....PTGLVTFIRQS.L.ED.F.PEWE
Dparg   337  QSAAPLGDVPLEVDAEGTIEDEGIGLLQVDFAHKYLGGGVLGHGCVQEEIRFVICPELLVGKLFTECLRPFEA
Ceparg  491  FA........RPDSPFS......FCRILSSDKSICVEKLKFLFTIF.....DKMSMDPPDGAVSF.RLTKMD
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FIG. 16B

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Bparg  817  RCEKLL..TRLEVIYEGTIEGNGQGMLQVDFAHRFVGGGVTSAGLVQEEIRFLIHPELIVSRLFIEVLDHNEC
Eparg  816  RCEKPL..TRLEVIYEGTIEENGQGMLQVDFAHRFVGGGVTSAGLVQEEIRFLIHPELIISRLFIEVLDHNEC
Mparg  702  RCEKPL..TRLEVIYEGTIEGNGRGMLQVDFAHRFVGGGVTGAGLVQEEIRFLIHPELIVSRLFIEVLDHNEC
Dparg  410  LVMLGAERYSNYTGIAGSFEWS....GNFEDSTP.RDSSGRRQTAIVAIDALHFA.QSHH....QYREDL
Ceparg 543  KDIFNEEW.XDXXLRSLPEVEFFDEMLIEDTAL.CTQVDFAHEHLGGGVLNHGSVQEEIRFLMCPEMMVGMLL

Bparg  888  LIITGTEQISEYTGIAETYRWA......RSHEDRSE.RDDWQRRTEIVAIDALHFR.RYLD....QFVPEKIR
Eparg  887  LIITGTEQISEYTGIAETYRMS......RSHEDRSE.RDDCERRCTEIVAIDALHFR.RYLD....QFVPEKMR
Mparg  773  LIITGTEQISEYTGIAETYRWA......RSHEDRSE.KDDWQRRCTEIVAIDALHFR.RYLD....QFVPEKVR
Dparg  472  MERELHKAYIGFVHWMVTPP..PGVATGNWGCGAFGGDSYLKALLQLMVCAQLGRPLAYYTFGNVEFRDDF
Ceparg 614  CEKMKQLEAISIVGAYVFSSYTGYGHTLKWAELQPNHSRQNTNEFRDRFGRLRVETIAIDAILFKGSKLDCQT

Bparg  951  RELHKAYCGFLRPGVSSEHLSAVATGNWGCGAFGGDARLKALIQYLAAAVAERDVVIFTFGDSELMRDIYSMH
Eparg  950  RELHKAYCGFLRPGVSSEHLSAVATGNWGCGAFGGDARLKALIQYLAAAVAERDVVIFTFGDSELMRDIYSMH
Mparg  835  RELHKAYCGFLRPGVPSEHLSAVATGNWGCGAFGGDARLKALIQYLAAAAERDVVIFTFGDSELMRDIYSMH
Dparg  543  HEMWLLFRNDGTTVQQ.LWS.ILRSYSRLIKEKSSKEPRENKASKKKLYDFI...KEELKKVRDVPGEGAS
Ceparg 687  EQLNKANIIREMKKASIGFMSQGPKFTHIP.IVTGWWGCGAFNGDKPLKFIIQVIAAGVADRPLHFCSFGEPE

Bparg  1021 TFLTERKLTVGE.VYKLLLRYYNEECRNCSTPGP......DIKLYPFIYHAVESCTQTTNQPGQRTGA----
Eparg  1020 IFLTERKLTVGD.VYKLLLRYYNEECRNCSTPGP......DIKLYPFIYHAVESCAETADHSGQRTGT----
Mparg  907  TFLTERKLDVGK.VYKLLLRYYNEECRNCSTPGP......DIKLYPFIYHAVESSAETTDMPGQKAGT----
Dparg  611  AEAGSSRVAGLGEGKSETSAKSSPELNKQPARPQITITQQSTDLLPAQLSQDNSNSSEDQALLMLSDDEEA
Ceparg 759  LAAXCKKIIERMKQKDVTLGKSCFSIFS------

Bparg  1087 ----
Eparg  1086 ----
Mparg  969  ----
Dparg  684  NAMMEAASLEAKSSVEISNSSTTSKTSSTATKSMGSGGRQLSLLEMLDTHYEKGSASKRPRKSPNCSKAEG
Ceparg 787  ----
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FIG. 16C

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Bparg    1    ----------------------------------
Eparg    1    ----------------------------------
Mparg    1    ----------------------------------
Dparg  410    TDKDEKDDIVD-----------------------
Ceparg 543    ----------------------------------

Bparg  101    ----------------------------------
Eparg  100    ----------------------------------
Mparg   97    ----------------------------------
Dparg  472    ----------------------------------
Ceparg 614    ----------------------------------

Bparg  201    ----------------------------------
Eparg  200    ----------------------------------
Mparg  197    ----------------------------------
Dparg  543    ----------------------------------
Ceparg 687    ----------------------------------
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FIG. 16D